

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: IRiS

Report Number: P1312335

Luminaire Tested: P3SQAS09R609727DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312335
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-55)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R609727DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R60 optic, 2700K CCT AND, 97CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

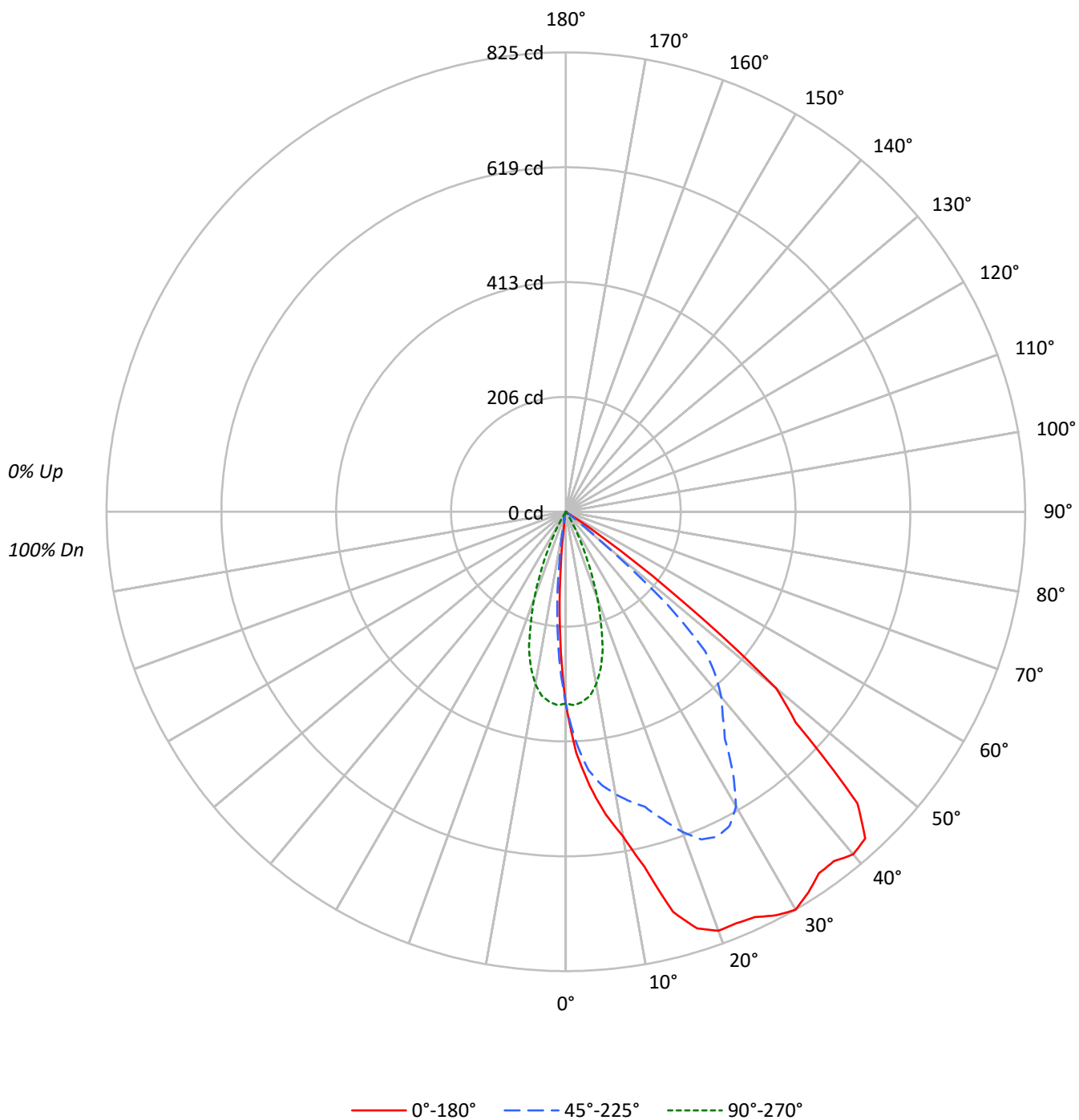
Lumens per Lamp: N/A
Luminaire Lumens: 560.0 lumens
Efficiency: N/A
Efficacy: 50.4 lumens/watt
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91		
2	105	100	95	91	103	98	93	90	94	91	88	91	88	86	89	86	84	82		
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74		
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	66		
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	69	65	61	60		
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	54		
7	75	64	57	52	74	63	56	51	62	56	51	60	55	51	59	54	50	49		
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44		
9	66	55	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	40		
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	48	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	59331	59331	59331	59331	59331
5°	85541	80545	59246	30531	19605
10°	103459	90063	55000	3637	2151
15°	132600	97832	45591	2407	1961
20°	146749	112128	30570	1356	220
25°	152610	122320	15031	114	0
30°	164104	121547	4136	0	0
35°	166661	104660	0	0	0
40°	180553	97595	0	0	0
45°	180380	86147	0	0	0
50°	132063	20872	0	0	0
55°	25762	0	0	0	0
60°	0	0	0	0	0
65°	0	245	245	0	0
70°	0	302	302	0	0
75°	0	399	399	0	0
80°	0	595	595	595	0
85°	0	1186	1186	1186	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 180673 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.6	5.3
10°-20°	84.3	15.0
20°-30°	134.3	24.0
30°-40°	155.2	27.7
40°-50°	123.3	22.0
50°-60°	32.4	5.8
60°-70°	0.2	0.0
70°-80°	0.3	0.1
80°-90°	0.3	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	248.1	44.3
0°-40°	403.4	72.0
0°-60°	559.1	99.8
0°-90°	560.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	560.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	344	344	344	344	344	
5°	495	466	343	177	113	50
15°	744	549	256	14	11	207
25°	803	644	79	1	0	375
35°	793	498	0	0	0	503
45°	741	354	0	0	0	527
55°	86	0	0	0	0	129
65°	0	1	1	0	0	0
75°	0	1	1	0	0	0
85°	0	1	1	1	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	344.5	344.5	344.5	344.5	344.5	344.5	344.5	344.5	344.5	344.5	344.5
2.5°	433.4	437.7	435.9	434.1	429.8	427.9	427.9	423.0	415.1	413.8	408.3
5°	494.8	496.0	496.0	494.8	491.7	486.8	485.6	480.7	473.3	465.9	458.6
7.5°	548.1	547.5	543.8	541.3	535.8	529.1	523.0	516.2	505.2	495.4	484.9
10°	591.6	593.5	590.4	584.3	576.9	567.7	557.9	546.2	529.7	515.0	501.5
12.5°	652.9	652.3	644.3	633.9	616.1	599.0	583.6	570.8	550.5	532.8	516.2
15°	743.7	742.4	735.1	725.9	700.1	674.4	648.0	611.8	578.1	548.7	525.4
17.5°	784.7	787.2	781.1	776.2	761.4	744.3	721.0	684.8	632.7	579.4	530.3
20°	800.7	803.7	799.4	798.8	792.1	784.1	765.1	725.9	675.0	611.8	551.2
22.5°	800.1	802.5	800.7	808.6	816.6	812.3	789.0	749.8	697.7	637.0	568.3
25°	803.1	801.3	794.5	806.2	817.8	814.2	802.5	768.8	711.8	643.7	574.5
27.5°	817.2	803.7	790.3	805.0	810.5	811.7	805.0	765.1	709.3	636.4	562.2
30°	825.2	810.5	799.4	811.7	811.7	818.5	804.4	759.0	688.5	611.2	529.7
32.5°	810.5	807.4	817.2	829.5	832.6	832.6	801.3	738.8	653.5	559.7	477.6
35°	792.7	800.1	828.3	833.8	833.8	820.3	782.3	703.2	601.4	497.8	439.0
37.5°	790.9	802.5	833.8	827.0	816.0	790.9	735.7	641.3	527.2	462.9	410.1
40°	803.1	814.2	832.6	808.0	781.7	742.4	676.2	560.3	482.5	434.1	375.2
42.5°	795.8	806.2	806.8	770.6	733.2	679.9	592.2	494.8	450.0	397.3	335.4
45°	740.6	741.8	739.4	700.7	662.1	606.9	513.8	462.3	414.4	353.7	246.5
47.5°	559.7	557.3	566.5	555.4	557.3	524.2	466.5	424.2	367.2	248.3	74.8
50°	492.9	489.8	480.7	470.8	461.0	445.1	418.1	372.7	264.8	77.9	2.5
52.5°	264.2	278.9	307.8	351.9	368.5	367.2	347.0	275.9	83.4	0.6	0.0
55°	85.8	84.6	94.4	111.6	153.3	176.6	183.9	93.8	1.8	0.0	0.0
57.5°	0.0	0.0	0.0	1.8	6.1	15.9	20.8	1.2	0.0	0.6	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	344.5	344.5	344.5	344.5	344.5	344.5	344.5	344.5
2.5°	401.0	392.4	382.6	347.6	306.5	266.7	237.9	230.5
5°	446.9	432.2	411.4	342.7	253.2	176.6	126.3	113.4
7.5°	470.8	458.0	435.9	332.9	196.2	87.1	32.5	22.1
10°	485.6	470.2	445.7	314.5	128.1	20.8	11.6	12.3
12.5°	496.0	478.2	450.6	288.1	65.0	10.4	14.7	15.3
15°	500.3	481.3	450.0	255.7	23.3	13.5	12.9	11.0
17.5°	497.8	473.9	442.0	209.1	8.0	12.9	6.7	5.5
20°	494.8	467.8	429.2	166.8	6.7	7.4	2.5	1.2
22.5°	504.6	457.4	411.4	119.5	6.7	2.5	0.0	0.0
25°	505.8	453.1	388.7	79.1	3.1	0.6	0.0	0.0
27.5°	493.5	427.9	353.7	46.6	0.0	0.0	0.0	0.0
30°	454.3	396.7	316.3	20.8	0.0	0.0	0.0	0.0
32.5°	415.7	361.7	274.7	4.9	0.0	0.0	0.0	0.0
35°	385.0	325.5	228.7	0.0	0.0	0.0	0.0	0.0
37.5°	347.0	282.6	170.4	0.0	0.0	0.0	0.0	0.0
40°	307.2	228.1	85.2	0.0	0.0	0.0	0.0	0.0
42.5°	239.7	108.5	8.6	0.0	0.0	0.0	0.0	0.0
45°	92.0	9.8	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.6	0.6	0.6	0.6	0.0	0.0	0.0	0.0
65°	0.6	0.6	0.6	0.6	0.0	0.0	0.0	0.0
67.5°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0
70°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0
72.5°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0
75°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0
77.5°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0
80°	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.0
82.5°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0
85°	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.0
87.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)